Microsoft UDDI V1.5 has shipped! (TechED 2001 time period)

Version 1.5 of the Microsoft UDDI Registry went into production at http://uddi.microsoft.com, running on the Common Language Runtime (CLR) and ASP.Net. I'd especially like to thank the people on my own team that have put in so much time and effort over the past few months to make this happen and given such good feedback to the Visual Studio.Net and .Net Framework teams; to the people in the Visual Studio.Net and .Net framework teams for their support and guidance and to the ITG, bCentral and MSN Operations teams for their support getting the service rolled out in Tukwila. This is a fantastic example of cross group collaboration at Microsoft, and a great achievement for everyone involved.

What is UDDI?

The UDDI (Universal Description, Discovery, and Integration) Project is an effort to define a set of specifications that will make it easier for businesses to accelerate the use of B2B eCommerce over the Internet. UDDI does this by defining how companies can expose their business applications and services -- like eCommerce, order management, inventory, marketing, and billing -- as Web Services that can be directly and securely defined, discovered and integrated with business applications at trading partners and customers. In November 2000, Microsoft, IBM and Ariba launched the version 1.0 beta sites for the first Universal Business Registries – fully replicated, interoperable, SOAP-based web services which implement the UDDI Specifications and enables the programmatic publication and querying of UDDI data.

What's New in v1.5?

- ***Completely New .Net Architecture***
  Microsoft's version 1.0 UDDI Registry implementation was based on SQL Server 2000, with a lot of custom code written in C++ as a COM+ application providing the web service infrastructure. Early in 2001, we began a redevelopment of the entire v1.0 UDDI Registry to fully utilize the .Net Framework . It is now architected as a .Net web service. Application logic resides in managed C# classes, and virtually all custom web services infrastructure code has been replaced by the CLR.

- ***New User Interface***
  A completely new user interface has been developed to leverage the new XML capabilities of ASP.Net and take full advantage of the new .Net architecture. This latest version is significantly more intuitive for users – making it easier for them to perform common tasks, such as searching the registry for services.

- ***Improved Performance***
  The new .Net architecture has dramatically improved the performance and scalability of the service.

- ***New Visual Studio Integration***
  We've improved our integration with the Add Web Reference feature of Visual Studio.Net, making it easier for developers to find and consume web services.

- ***Internet Explorer Integration***
  In conjunction with our partners at RealNames we have enabled UDDI searches directly from the address bar of Internet Explorer using RealNames Keywords, making IE the first major discovery and distribution channel for

UDDI data available from every desktop. To try this out, bring up IE and type the keyword UDDI, followed by your search criteria. For example “uddi Microsoft” (no http://)

- ***New Developer Tools***
  At TechEd today, Bill Gates announced immediate availability of UDDI Developer Edition V1.5: This includes a complete suite of tools for developers wanting to leverage UDDI and includes the following:
  - **UDDI Developer Edition**. A limited-use UDDI Business Registry. Developers can install UDDI Developer Edition on a local workstation or server and interact with it as a simulated UDDI Operator Site for the purpose of developing and testing UDDI-enabled applications.
  - **UDDI .Net SDK v1.5**: A Software Development Kit (SDK) that makes it easy for Visual Studio.Net developers to build UDDI-enabled applications. It includes a managed code class library, WSDL files describing the UDDI web service interfaces, and sample applications for several different languages, including C#.
  - **UDDI SDK v1.5**. An SDK for Visual Studio 6.0 developers, including an easy to use class library and sample applications.

How Was The .Net Development Experience?

We saw many significant benefits in redeveloping our web service on the .Net Framework and CLR. Developer productivity was dramatically increased. A lot less code was written overall - the majority of the custom web services infrastructure code was thrown away, and replaced with standard features of the .Net Framework and CLR. A lot of code typically required to scale and stabilize a system is simply handled for you. The C++ developers learned the C# language very quickly and found they could do virtually everything they were used to with a lot less effort. The end result is a UDDI Registry which is stable, performs superbly and is very easy to deploy and maintain. ***It really is a great platform for building web services!***